Instructions for use

FOR THE WAY IT'S MADE.®

Precautions and general recommendations	**4**
Parts of the dishwasher	**5**
Technical information	**6**
Baskets	**6**
Control panel	**8**
Dispenser	**8**
Basic Course	**9**
Programs	**10**
Options	**12**
Special settings	**14**
Eco-dishwashing	**14**
Fragile dishes	**15**
Time remaining	**15**
Status light	**15**
Cleaning	**16**
Rinse aid	**18**
Salt	**19**
Fault indications	**20**
Troubleshooting	**20**
Performance information	**22**
Installation instructions	**23**
Electrical connection for Great Britain and Ireland only	**23**
Installation and connection information	**24**
Service & guarantee	**31**
Quick Guide	**31**

Precautions and general recommendations

1. Packing
The packaging materials are 100% recyclable and marked with the recycling symbol ♺ .

2. Removing the packaging and inspecting the contents
After unpacking, make sure that the dishwasher is undamaged and that the door closes correctly. If in doubt, contact a
qualified technician or your local retailer.

3. Before using the dishwasher for the first time
- The appliance must only be used in the household and according to its purpose.
- The appliance is designed to operate at ambient temperatures of between 5°C and 45°C.
- This dishwasher has been tested by the manufacturer to ensure it functions correctly. Such testing may leave slight drips/ water marks which will disappear with the first wash.

4. Energy and water savings
- Do not rinse crockery under running water.
- Always fully load the dishwasher before running it or select the "Half load/Multizone" function (if available).
- If ecological energy sources are available such as solar panel heating, heat pumps or centralised heating systems, the appliance may be connected to the hot water mains up to a maximum temperature of 60° C. Make sure the water inlet hose is of the correct type ("70°C Max" or "90°C Max").

5. Child safety
- Keep the packaging materials out of the reach of children.
- Children must not be allowed to play with the dishwasher.
- Store the detergent, rinse aid and salt out of the reach of children.

6. Safety warnings
- The appliance is not intended for use by children or physically or mentally impaired persons, unless adequately supervised by a responsible adult capable of guaranteeing safe use of the appliance.
- Do not operate the appliance in the open air.
- Do not store flammable materials in close proximity to the dishwasher.
- The water in the dishwasher is not potable.
- Do not use solvents inside the dishwasher: **risk of explosion!**
- Be careful when the door is open: **risk of tripping!**
- The open dishwasher door can only support the weight of the loaded rack when pulled out. Do not rest objects on the open door or sit or stand on it.
- Sharp items that might cause injury (e.g. knives), must be placed in the cutlery basket (where present) with the sharp end facing downwards. Long-handled utensils must be arranged horizontally in the upper rack, with the sharp end facing away from the front of the appliance.
- Before cleaning or carrying out maintenance, unplug the socket from the mains, and turn the water tap off; the same applies in case of fault.
- Repairs and technical modifications must be carried out exclusively by a qualified technician.

7. Resistance to frost
If the appliance is placed in surroundings exposed to the risk of frost, it must be drained completely. Turn off the water tap, remove the inlet and outlet hoses, and let all the water run out. Make sure there is at least 1 kg of dissolved regeneration salt in the salt reservoir to protect the appliance at temperatures of up to -20°C. When the program resumes, an error message may be displayed when it switches on: "F6/E2" or the Cancel/Off light flashes "6 times/2 times": the appliance must remain at an ambient temperature of at least 5°C for at least 24 hours.
After eliminating these faults, do a RESET (see "What to do, if...").

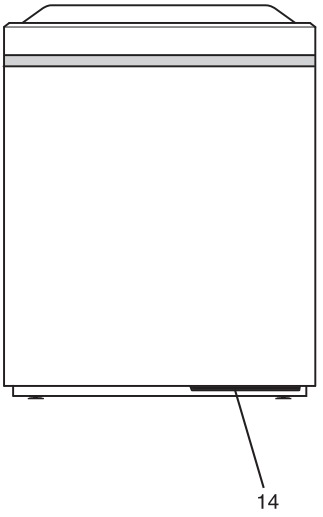
8. Disposal
- The appliance is manufactured using recyclable materials. If you decide to scrap the dishwasher, it must be disposed of in compliance with local waste disposal regulations. Make it unusable by cutting off the power cord. To prevent situations of potential danger to children (e.g. danger of suffocation), break the lock of the door so that it can no longer be closed.
- This appliance is marked according to the European directive 2002/96/CE on Waste Electrical and Electronic Equipment (WEEE). By ensuring that this appliance is scrapped suitably, you can help prevent potentially damaging consequences for the environment and health. Unsuitable disposal of an appliance of this type as household waste could have detrimental effects on the environment.

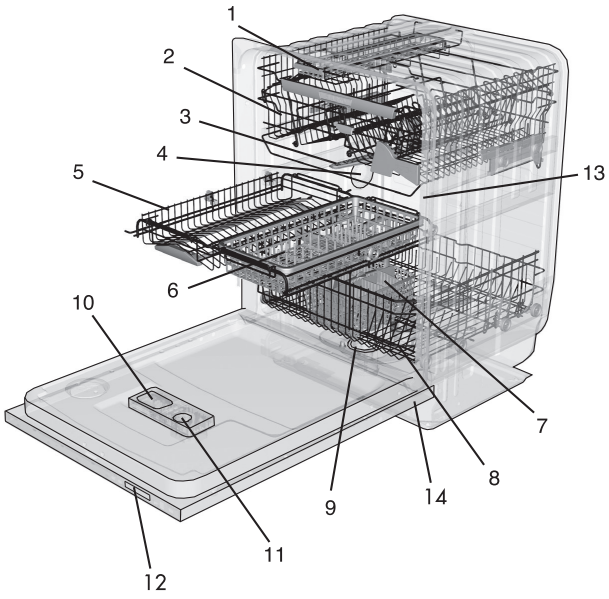
The symbol on the appliance, or on documentation enclosed with the appliance, indicates that this product must not be treated as household waste, but must be delivered to the nearest collection centre for the recycling of electrical and electronic appliances. Disposal must be carried out in accordance with local environmental regulations for waste disposal. For further information on the treatment, recovery and recycling of this appliance, contact your competent local authority, the collection service for household waste or the shop where you purchased the appliance.

EC Declaration of conformity CE
This appliance has been designed, constructed and distributed in compliance with the safety requirements of EC Directives: 2006/95/CE, 89/336/CE, 93/68/CE and 2002/95/CE (RoHS Directive).

Loading Capacity: 12 place settings.

Parts of the dishwasher





1. Knife basket
2. Upper basket
3. Spray arms
4. Lamp
5. Middle basket
6. Utensil basket
7. Cutlery basket
8. Lower basket
9. Filter
10. Dishwasher detergent compartment
11. Rinse Aid Compartment
12. Main power switch
13. Type plate
14. Status light

Details may differ depending on model and market!

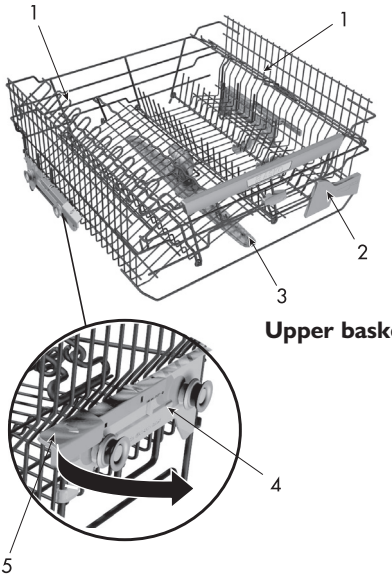
Technical information

Height	860-910 mm
Width	596 mm
Depth	560 mm
Weight	53-56 kg
Capacity*	12 place settings
Water pressure	0.03-1.0 MPa (0.3–10 kp/cm^2)
Connection	1-phase, 230 V, 50Hz 10/10A**
Max	1600 W**

* In accordance with standard, EN 50242
** See type plate.

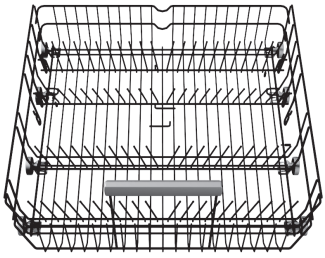
Baskets

1. Wine glass shelf
2. Knife stop
3. Upper spray arm
4. Locking handle for upper basket
5. Catch



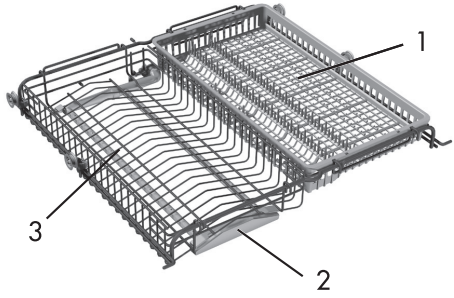
Upper basket

Raising/lowering the upper basket
1. Pull out the upper basket.
2. Pull out the catches (**5**) on either side of the upper basket and lower the upper basket at the same time.
3. Grab the basket by the sides and lift it.



Lower basket

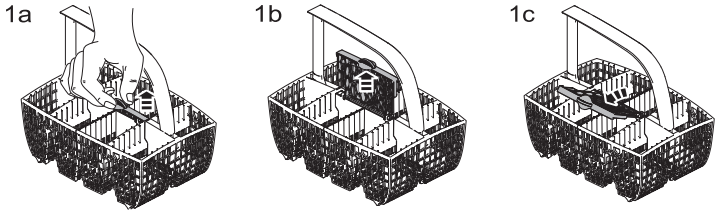
Knife basket



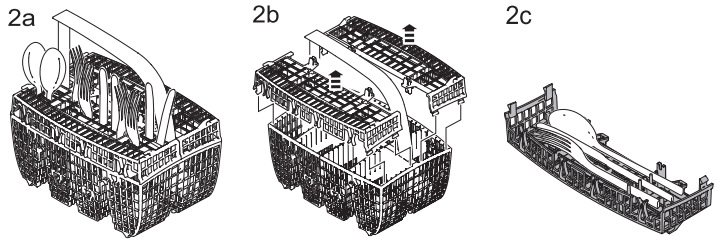
Middle basket

1. Utensil basket
2. Spray pipe
3. Wire basket for low cups and bowls

Cutlery basket

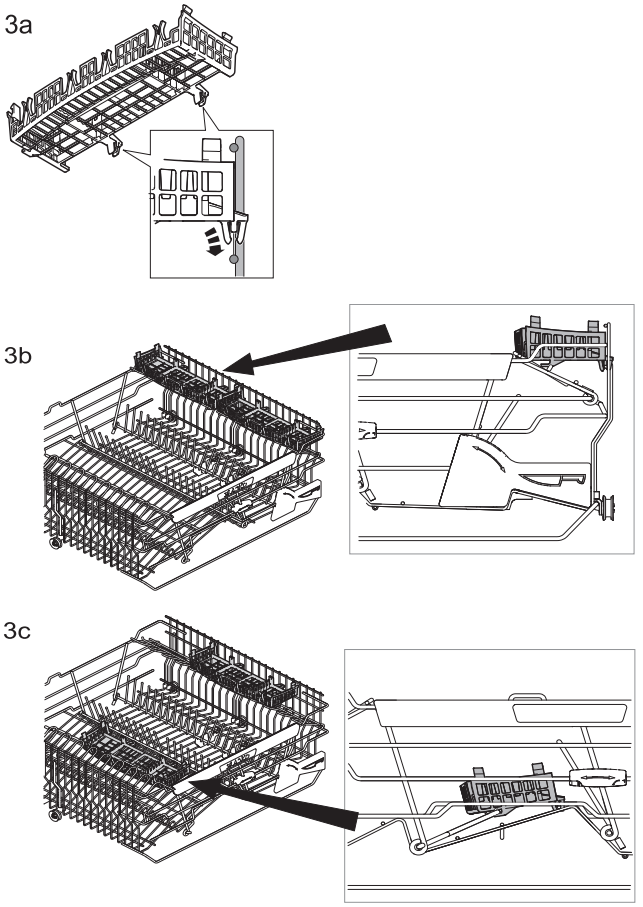


Cutlery basket cover



Positioning the cutlery basket cover

The cover for the cutlery basket can be removed and used, for example, as an extra cutlery basket in the upper basket (see illustrations below).



Details may differ depending on the model and market!

Control panel

The panel has touch buttons with optional sounds to confirm selections.

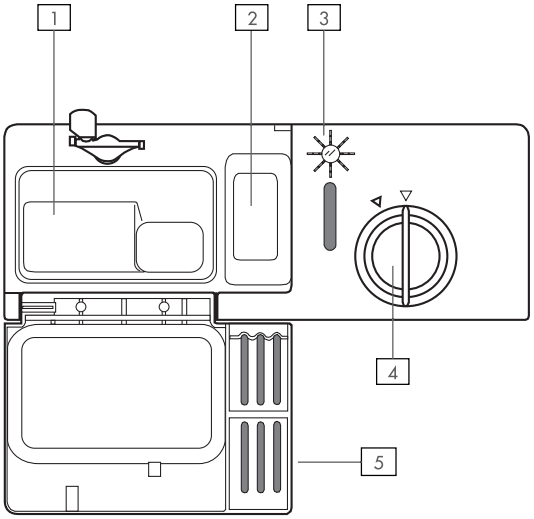
1. Main switch
2. Program selector
3. Display window
4. Navigations buttons
5. Start/stop

Important!

1. The touch buttons must be kept clean and free from grease. Use only a dry or slightly damp cloth and never cleaning fluid as this can cause scratches.
2. Use the main power switch to turn off the machine before cleaning the touch buttons to avoid activating any buttons unintentionally.
3. Wait a moment before pressing the touch buttons after opening the door.
4. The machine can only be adjusted when the door is open!

Dispenser

1. Compartment for main wash detergent
2. Compartment for pre-wash detergent
3. Refill indicator rinse aid (not all models)
4. Rinse aid cover
5. Detergent compartment cover



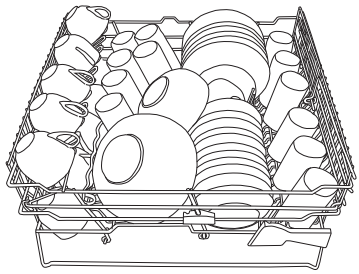
Basic Course

Below are step-by-step instructions to help you achieve the best possible dishwashing results.

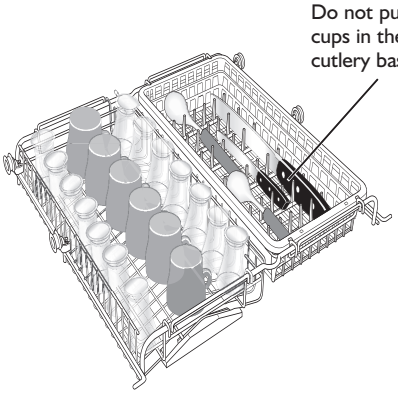
1 - Load the baskets correctly!
Thanks to Self Cleaning System, you do not need to rinse the dishes under running water. Simply remove large food particles and debris. Convenient and environmentally-friendly!

Place glasses, cups, bowls, side plates, and saucers in the upper basket. Wine glasses should be hung from or leaned against the wine glass shelf and knives placed in the knife stand if present.

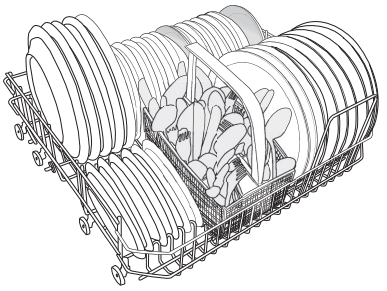
Note!
Ensure that all soiled surfaces face inwards or downwards!



The middle basket is suitable for low items, such as cups, small glasses, or bowls. The two baskets that sit in the middle basket can be removed to create more space between the upper and lower baskets to fit taller items. The primary cutlery basket, which is easy to remove, has room for ladles, whisks, serving cutlery, and similar items.



Place dinner plates, side plates, serving dishes, saucepans, and cutlery (in the cutlery basket) in the lower basket. The removable plate insert, which comes with certain models, can be easily removed to provide room for large plates, saucepans, and pots.



Stand the cutlery with handles downward and as spread out as possible. Ensure that spoons are not resting inside each other.

Do not put cutlery made of different materials - such as silver and stainless steel - in the same compartment (risk of stains).
The cutlery basket has a folding flap in the middle for small items or narrow shafts, such as electric whisks.
Place long cutlery and carving knives in the special knife box (if present) or in the upper basket.

Check that the spray arms are able to move freely. See the section entitled Fragile Dishes if you want to wash objects that may be fragile.

2 - Dishwashing detergent

Dispensing dishwasher detergent

Detergent should be dispensed in accordance with the water's hardness level.
Follow the dosage instructions on the detergent package. If your machine is fitted with a water softener, dispense as for soft water.
Pour the dishwasher detergent into the dishwasher detergent compartment. There is one compartment for pre-wash and one for main wash, see Dispenser. Phone the dishwasher detergent manufacturer if you have any questions regarding the detergent.

Dishwasher tablets
Halve the tablet if it is difficult to close the dispenser cover. There is a risk that the dishwasher detergent will not break down properly to give the correct dosage if the cover is tight and cannot be opened correctly.

3-in-1/ Multi-purpose detergent

Note!
Read the directions for use for such products carefully. If anything is unclear, contact the detergent manufacturer.

⚠ CAUTION!
Protect your children!
- Dishwasher detergent is corrosive!

NB!
Only use dishwasher detergent
Hand and Clothes washing detergent cannot be used as the build-up of foam may damage or impede the machine's performance.

3 - Switch on the main switch ⏻

4 - Select program
For select program see part Programs.

5 - Select option
If you wish to use additional options continue to part Option. Otherwise you can now start the machine, see point 6.

6 - Press start
The dishwasher will now start. It manages the entire wash automatically. Ensure that the door is properly closed or the machine will not start. The display shows 'Program started'. If the door is open or not properly closed, 'Close door' appears in the display.

Changing program
If you want to change program after having started the machine, press the Start/Stop button for three seconds. Then select a new program and press the Start/Stop button. Make sure there is detergent in the dispenser.

Do you want to load more dishes?
Carefully open the door; the machine will stops automatically, put in the dishes, close the door and the dishwasher will continue from where it left off.

If the machine is switched off at the main switch
(or in the event of a power cut) before the washing program has been completed, the interrupted program will continue when the power comes back on.

Note!
If the power is switched off, or if the door is open during drying, the program is interrupted.

7 - After dishwashing
Once the machine has finished, it only draws standby current. Turn off the water tap if the machine is not to be used for an extended period, such as during vacations, for example.

Programs

Select a program by pressing the program selector one or more times until the required program text lights up.

Press	Pos.	LCD	Comments/instructions
	1	Auto	The dishwasher detects how soiled the dishes are and adjusts water consumption and temperature accordingly.
	2	Daily	A program suitable for daily dishes. The program can also deal with dried food, though the short pre washes are not designed for burnt food.
	3	Time	A program that adjusts itself to the specified time frame or finish time. When using this program, it is however important to select a temperature and time suited to how dirty the dishes are.
	4	Heavy	The Heavy Wash program should be used for heavily soiled dishes, e.g. saucepans, pots and gratin dishes. If there is still space in the machine after loading such items, you can add plates etc.
	5	Normal	Used for washing normally soiled dishes such as plates, serving dishes, cups and glasses, etc.
	6	Mixed	This dishwashing programme is used for lightly soiled dishes in the upper basket and heavily soiled dishes in the lower basket.
	7	Upper basket	If you only have cups and glasses in the upper basket which require washing, you can use this programme.
	8	Lower basket	When you only want to wash plates and cutlery in the lower basket you can use the lower basket wash.
	9	Delicate	If the dishes are not heavily soiled, you can select Delicate wash. This program is intended for glass and china which has just been used and therefore does not need such a powerful program.
	10	Quick	Select Quick Wash if the dishes are very lightly soiled. This program is used for very lightly soiled glass and china, e.g. coffee cups.
	11	Rinse and dry	The Rinse & Dry programme comprises a rinse with heat and drying. It is a suitable programme if you are planning to make jam and want to rinse and warm previously wash glass jars.
	12	Rinse and hold	For rinsing the dishes while waiting for the machine to be filled.
	If you wish to use additional options, continue to Selecting options. Otherwise you can now start the machine.		

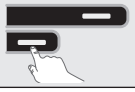
Programview						
Programs	**Auto**	**Daily**	**Time**	**Heavy**	**Normal**	**Combi Mix**
Options	–	60°C	Selectable 30 to 180 min	55°C	65°C	55°C
Prewashes with SCS*	–	1 prewash		2 prewashes	2 prewashes	–
Mainwash***	–	60°C	Max. 65°C	55°C	65°C	55°C
Number of rinses	last rinse 60°C	2, last rinse 65°C	Max. 65°C	3, last rinse 60°C	2, last rinse 70°C	2, last rinse 60°C
Consumption values						
1. Wash time (approx.hrs:min) hot water / min.**	98 - 145	80	90	170	130	160
Energy approx. kWh	0.5 - 0.8	0.8	0.8	0.6	0.9	0.8
2. Wash time (approx.hrs:min) hot water / min.**	117 - 175	90	90	195	155	170
Energy approx. kWh	1.1 - 1.4	1.2	1.2	1.3	1.5	1.1
Water consumption (litres)	12 - 20	13	12	18	16	10

Programview					
Programs	**Upper/Lower basket**	**Delicate**	**Quick**	**Rinse & Dry**	**Rinse & Hold**
Options	55°C	50°C	60°C	–	–
Prewashes with SCS*	–	–	–	–	–
Mainwash***	55°C	50°C	60°C	–	–
Number of rinses	2, last rinse 60°C	2, last rinse 50°C	2, last rinse 60°C	1, last rinse 50°C	1 rinse
Consumption values					
1. Wash time (approx.hrs:min) hot water / min.**	2:15	1:35	0:47	0:40	0:03
Energy approx. kWh	0.7	0.5	0.6	0.35	0.01
2. Wash time (approx.hrs:min) hot water / min.**	2:50	1:52	1:00	0:45	0:03
Energy approx. kWh	1.1	0.9	1.0	0.45	0.01
Water consumption (litres)	10	10	10	3	3

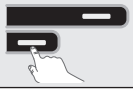
* SCS = Self Cleaning System.
** All quoted times are approximate. Cycle time fluctuations may occur due to water temperature, water pressure, variations in voltage etc.
1. Hot water connection approx. 60°C.
2. Cold water connection approx. 15°C.
*** The listed temperatures are set as the default from the factory.

Options

Select options
To select an option, press one of the option buttons.

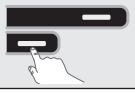
<table>
<tr><th>  </th><th colspan="2"> </th><th>Description</th></tr>
<tr><td rowspan="3">Basket loaded</td><td colspan="2">All baskets</td><td>This option lets you set all spray arms in function and by this option you can wash both the upper and lower baskets.</td></tr>
<tr><td colspan="2">Upper basket</td><td>If you only have cups and glasses in the upper basket which require washing, you can use this program.</td></tr>
<tr><td colspan="2">Lower basket</td><td>When you only want to wash plates and cutlery in the lower basket you can use the lower basket wash.</td></tr>
<tr><td>Delayed start</td><td colspan="2"></td><td>• If you want the machine to start up later, press the 'Delayed start' option button, you can delay the start 0.5-24 h. A clock symbol and the number of hours until start will appear in the display window.
• Press the Start/Stop button or make a further selection. The machine will now count down the time each hour until the machine starts, and then show the remaining wash time in the display window.
• To cancel Delayed start, press and hold the Start/Stop button for 3 seconds.</td></tr>
<tr><td rowspan="12">Temperature</td><td>Program</td><td></td><td rowspan="12">With the temperature option button you can select the wash temperature yourself.</td></tr>
<tr><td>Auto</td><td rowspan="11">You can select the temperature from cold to 70°C for all programs except Delicate Program (from cold to 60°C).</td></tr>
<tr><td>Daily</td></tr>
<tr><td>Time</td></tr>
<tr><td>Heavy</td></tr>
<tr><td>Normal</td></tr>
<tr><td>Combi Mix</td></tr>
<tr><td>Upper/Lower basket</td></tr>
<tr><td>Delicate</td></tr>
<tr><td>Quick</td></tr>
<tr><td>Rinse & Dry</td></tr>
<tr><td>Rinse & Hold</td></tr>
</table>

Note: Press PROG to confirm your selection.

		**Description**
Drying	Normal	If you desire a maximum drying result, press the Drying options button (Normal) and a symbol showing three wavy lines will light. (in all programs except Auto, Time, Rinse & Dry, Rinse & Hold, Plate heat).
	Without	If you want a program without Drying options, press the button again and the symbol will go out.
	Eco	For save energy, select Economy dry.
Tab	Tab Off	This option is available when using a combi detergent, such as a 3-in-1 type. The dishwashing programs are automatically adjusted so that the best possible washing and drying results are always attained. If you deactivate this option, the machine will return to ordinary function for all programs. When using this option it is not necessary to add rinse aid as the rinse aid dosing function is bypassed. Read the dishwashing detergent package carefully for directions of use. See the chapter entitled "Before doing your first wash". NB: In order to achieve good dishwashing results, it is essential to check which type of dishwasher detergent or combi product best suits your needs! The instructions and warnings on the packaging must be followed!
	Tab On	
Time saver	Off	An option that shortens the program time but uses more water and energy to clean the dishes. Can be used with Heavy Wash and Normal Wash.
	On	
Super rinse	Off	The Super rinse option adds two extra rinses. The Super rinse option can be used in all programs except the Auto wash, Time, Rinse & Hold and Rinse & Dry programs.
	On	
Cool touch	Off	This option lets you set a cool-down cycle after the drying program, if you want the dishes to be cooler for unloading (in all programs except Auto, Time, Rinse & Dry, Rinse & Hold).
	On	
Special settings	Yes	If you wish to use settings, continue to Special settings.
	Exit	

Special settings

When you have selected the programme and any option, press the Menu button until 'Special settings' appears in the display.

		**Description**
Special settings	Yes	
Language	SE	Language on the LCD can be selected. To access the language menu directly press and ⏻ simultaneously.
	EN	
	RU	
	DK	
	NO	
	NL	
	DE	
	FI	
	ES	
	IT	
	FR	
Child lock	Off	Child lock can be set on or off. Default off.
	On 🔑	
Buzzer volume	1 - 4	This signal is set at the factory.
Operation volume	1 - 4	The signal shall indicate confirmation of a selection.
Temperature units	°C	The (program) temperatures on LCD can be set in °C (Celsius) or °F (Fahrenheit).
	°F	
Water consumption	Number of wash cycles	

Eco-dishwashing

Only wash full loads
Wait to run the wash when the machine is full.
This saves energy.

Wash at a lower temperature
If the dishes are only lightly soiled you can run a Quick wash program and reduce the temperature to 30°C.

Select a program with Economy dry
To save energy, select Economy dry. You will get a better drying result if you leave the door slightly open after the end of the program.

Do not rinse before dishwashing
Thanks to the dishwasher's Self Cleaning System (SCS) you do not need to rinse the dishes before loading them into the machine just scrape off the large food particles.

Choose environmentally-friendly dishwasher detergent
Read environmental declarations on the package!

Connect to cold water supply
For best performance it is recommended that connection is to cold water.

Fragile dishes

A number of household goods are not suitable for machine washing. This can be due to a variety of reasons. Certain materials cannot withstand intense heat; others can be damaged by the dishwasher detergent.

Fragile decoration
China with decoration on top of the glaze (the goods have a rough feel) should not be machine washed.

Crystal/ glass
Place the goods so that they do not knock together during the wash. Use the lowest possible wash temperature and the shortest possible program. Do not heat dry! Antique and very fragile items should not be machine washed.

Glass which is machine washed at high temperatures can in time develop a grey film which cannot be removed. Wash fine glass at the lowest temperature and with a low dosage of dishwasher detergent.

Silver
Silver and stainless steel items should not come into contact with each other as the silver can discolor.

Cutlery with glued handles
Certain types of adhesive cannot withstand machine washing. In such cases the handles can come loose.

Wood
Wooden items should only be machine washed if they are labeled as dishwasher safe.

Aluminum
Aluminum can be dulled by machine washing. However, good quality aluminum saucepans can be machine washed, although a reduction in luster should be expected.

Plastic
Certain types of plastic cannot withstand the high temperature generated in machine dishwashing.

Protect plastic goods
Select a program with a low temperature.

Time remaining

When you have selected programme and option, the display shows the length of time the programme had taken the last time it was used. When you have start the machine, the display window shows how much of the programme time remains.
This time can vary a little from one occasion to another depending on the temperature of the inlet water, the amount of dishes, the ambient temperature, etc.
During the time the programme is operating, the time is counted down and the remaining programme time is shown in the window. The remaining time is shown e.g. as 1:02, which means that 1 hour and 2 minutes of the programme remain.

NB!
During the first run of each programme, the remaining time display may be slightly misleading as the machine is estimating the time remainimng.
If the programme takes longer than expected, it displays 1 minute until the programme is completed.

Status light

The status light at the bottom on the machine provides information by means of 3 different colours.

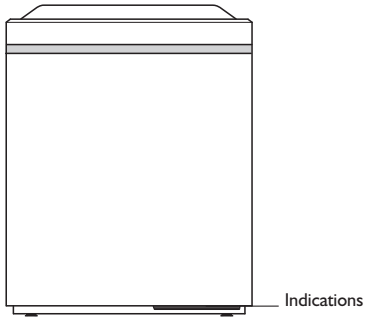
Indications
Blue
- indicates that the program has started and it is still possible to load more dishes

Red
- indicates that there is detergent in the machine and it is not recommended to load more dishes (risk of poor dishwashing result)

Flashing Red
- indicates one of the following faults:
  - water inlet fault
  - leaking valve
  - too much water in the machine
  - clogged filter

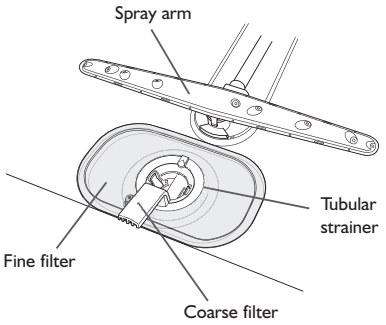
Green
- indicates the program has finished (lit for 2 hours)

See Fault indications and Trouble shooting



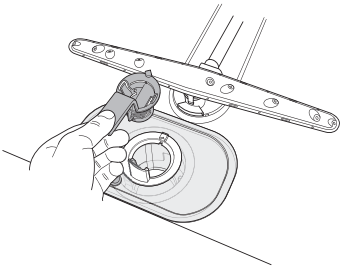
Cleaning

The dishwasher tub is made of stainless steel and is kept clean through normal use.However, if you have hard water, limescale deposits may form in the machine.
If this happens, run a normal wash program with two tablespoons of citric acid in the dishwasher detergent compartment.



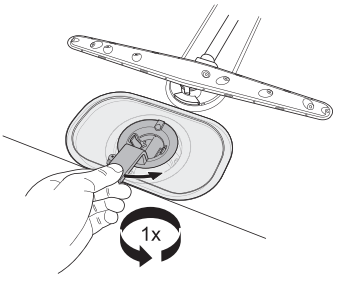
Coarse filter
The coarse filter traps larger food particles, which cannot get past the drain pump. Empty the coarse filter when necessary.

1. Lift the coarse filter by the handle.
2. Empty the coarse filter. Don't forget to replace it!

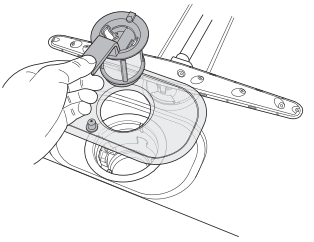


Fine filter
Debris that collects on the fine filter is auto matically rinsed away during each wash. However, the fine filter and its pipe section should be cleaned once or twice a year.

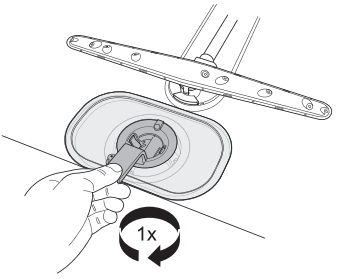
1. Turn the handle once counter-clockwise.
2. Lift the pipe section straight up by the handle. Free the coarse filter to clean the pipe section.



3. Remove and clean the fine filter.
4. Replace in reverse order. Ensure that the edges are properly sealed when replacing the fine filter.



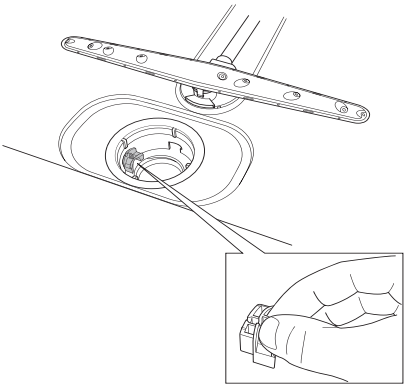
5. Lock the filter in place by turning the handle clockwise to the stop position: the handle should point out from the dishwasher.



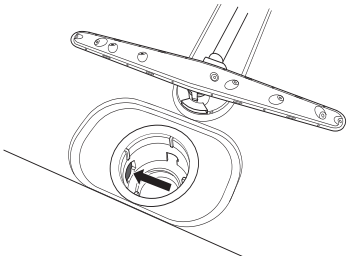
NOTE:
The dishwasher must not be used without the filter in place!
An improperly fitted coarse filter may affect the dishwashing result!

Drain pump
The pump can be accessed from inside the machine.

1. Cut the power to the machine by pulling out the plug!
2. Remove the coarse filter and pipe section.
3. Remove the small fitted piece at the left of the bottom drain (see the image below).



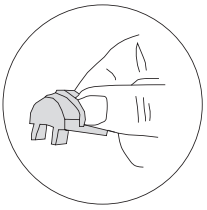
4. You can release and turn the pump blade by inserting your finger into the hole and release anything blocking it.
5. Reinstall the fitted piece and filters.
6. Plug the plug into the wall socket.



If the machine still does not start and a buzzing sound is heard, the overflow guard has been activated.

- Shut off the water.
- Pull the plug out from the wall socket.
- Call the service division.

NOTE!
Do not forget to reinstall the fitted piece.

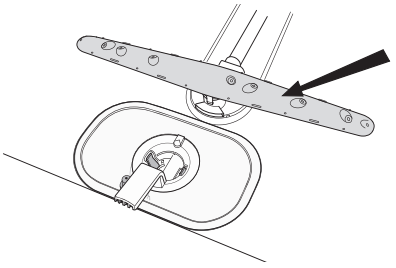


The spray arms

Lower spray arm
Holes and bearings can sometimes become blocked.

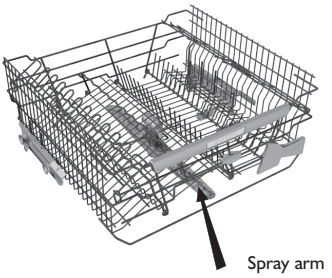
1. Pull the lower washer arm straight up to release it.
2. Remove any deposits using a needle or similar.

The washer arms also have holes underneath.



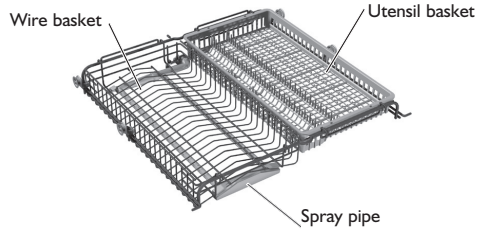
Upper spray arm
To release the upper spray arm, the upper basket must be removed.

1. Pull out the basket.
2. Remove the upper spray arm by unscrewing it counter-clockwise from the basket and clean it.
3. Screw the spray arm back into place.

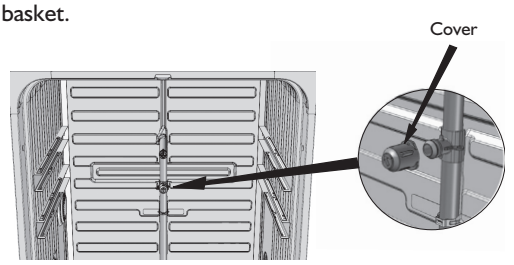


Middle basket
Cleaning the middle basket:

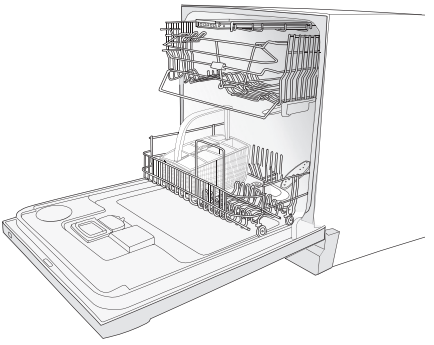
1. Pull out the basket.
2. Check the holes in the spray unit.
3. Clean with a pin or similar item.



Fit the cover securely if you are not using the wire basket.



Door
When cleaning the edge around the door, use only a slightly damp cloth, possibly with a little detergent. Do not use a spray bottle or similar around the door catch. This is to ensure that water does not penetrate into the door catch and come into contact with the electrical components.



⚠ **CAUTION!**
Do not use a spray bottle or similar around the door catch.

Rinse aid

Adding rinse aid
In some cases, drying can be made more efficient by using rinse aid.

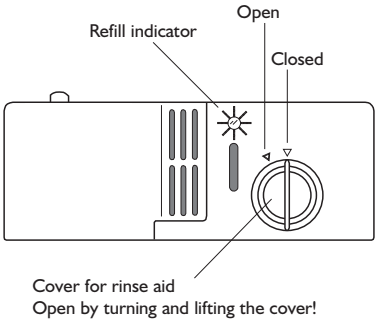
Machines with indicator on the panel
When the rinse aid has run out and more is needed, the rinse aid symbol on the panel lights up*.

To fill with rinse aid:
1. Turn and lift up the cover of the rinse aid compartment to the right of the dispenser. This is where you top up and set the amount of rinse aid to be dispensed in each wash.
2. Carefully pour in rinse aid up to the dosage setting knob.

Alter dosage if required. Do not forget to close the cover.

***Note!**
After filling there may be a short delay before the signal light goes out.

Machines with refill indicator in detergent dispenser
There is a refill indicator in the middle of the dispenser (see illustration). If the refill indicator is totally black, there is sufficient rinse aid. However, if the indicator has a more transparent appearance, you need to top up with rinse aid (see above).



Select dosage
The dispenser is usually set at 1= soft water. However, depending on the water hardness, you may need to change the dosage.

Open the rinse aid cover. Here you will find the dispenser's adjustment dial. Settings 1-6: the harder the water, the higher the dosage.

When the water hardness exceeds 3 grains, you should use rinse aid with citric acid (acid rinse aid).

Too much rinse aid can lead to the build-up of foam. If your water is particularly soft, you can dilute the rinse aid (1 part rinse aid, 1 part water).

Too much rinse aid can cause streaks on the dishes, while too little can result in water stains.

Salt

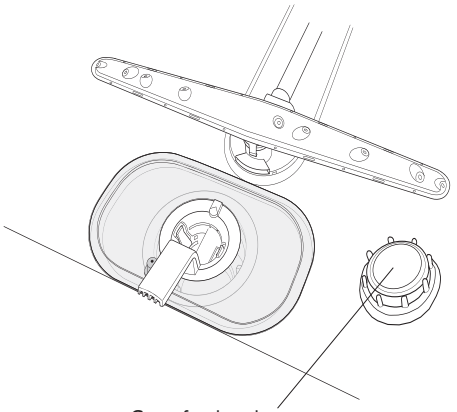
Add salt
Before using a dishwasher with a water softening filter, you must fill the salt compartment with salt. Use coarse salt or special salt for dishwashers.
It is best to fill with salt when you are about to do a wash, as the dishwasher needs to be rinsed out immediately after filling.

Proceed as follows the first time:
1. First unscrew the cover as illustrated.
2. Place the funnel, which is supplied with the dishwasher, into the compartment's filler hole.
3. First pour in approximately 1 litre of water. Then fill the compartment with max 1.5 kg of salt.
4. Wipe away excess salt so that the cover can be properly screwed into place.
5. Run a Normal wash program so that any salt in the machine is rinsed away.

When the salt runs out, the salt symbol on the display* lights up. Unscrew the cover and fill the compartment with salt. Water is only needed on the first occasion! Wipe clean and screw back in place. Run a Normal wash program so that any salt is rinsed away.
Occasionally check to see if more salt is needed. A green indicator can be seen in the cover of the salt compartment.

The indicator is not working
If the indicator is not working, this may be because the float, which is positioned under the cover, has become stuck in salt residue. The float can be reached through the green arm located under the cover of the salt compartment.
1. Move the float arm up and down to loosen it.
2. Once the float has been loosened, press it down again.

Models without a salt symbol in the display show green in the salt compartment cover when there is sufficient salt.



Cover for the salt compartment

***NB!**
After filling, there may be a short delay before the signal light goes out.

⚠ **CAUTION!**
Never pour dishwasher detergent into the salt compartment. It will destroy the water softener!

Fault indications

Display	Type of fault	Action
Overfilling	Too much water in the machine	Phone for service
Water inlet fault	Fault in the water inlet	Check that the tap is open
Inlet valve	Inlet valve leakage	Shut off the tap and phone for leakage service
Drainage fault	Blocked drain	See 'Possible causes' in chapter **Troubleshooting**
Blocked filter	Clogged filter	Clean filters, see chapter **Cleaning**

To remove the fault indications from the display, turn off the main switch and then turn it back on again.

Troubleshooting

Problems	Possible causes	Action
The dishes are not clean	• The spray arms are not rotating	• Lift off the arms and clean
	• Old dishwasher detergent. **Note!** Detergent is perishable	• Avoid large packs
	• Incorrect dosage of detergent	• Dispense according to the level of water hardness
	• Wrong wash program selected	• Heavier programs are longer, and use higher temperatures for dirtier loads. Use a heavier program better suited for the load
	• Incorrect loading of the dishwasher	• Do not cover china with large bowls or the like • Try not to place too much tall glassware in the corners of the baskets
	• Glasses and cups have tipped over during the wash	• Load the china securely
	• Filter not correctly positioned	• Screw the filter into place
Stains or a film on the china	• Dishwasher fitted with water softener is leaking salt	• Check that the cover of the salt compartment is properly screwed on. Otherwise phone for Service
	• The salt compartment is empty	• Top up with salt
	• Incorrectly set rinse aid dispenser	• See the chapter on rinse aid
	• Phosphate-free detergent in combination with hard water	• Change detergent
	• Too high a temperature and/or too much detergent can cause etching on(crystal) glass. Unfortunately this cannot be remedied, only prevented!	• Wash (crystal) glass at a low temperature and use dishwasher detergent sparingly. Contact the dishwasher detergent manufacturer
The china has a whitish-blue sticky film	• Too high dosage of rinse aid	• Reduce dosage. See the chapter on rinse aid. If the water is very soft, you could try diluting the rinse aid with water (1 part rinse aid, 1 part water)

Problems	Possible causes	Action
Stains on stainless steel or silver	• Certain food remnants such as mustard, mayonnaise, lemon, vinegar, salt, and dressings can cause stains on stainless steel if allowed to remain for any length of time. All stainless steel can mark silver if allowed to come into contact during the dishwashing process. Aluminum can also cause stains on dishes	• Rinse off food residue of this type if you do not intend to start the dishwasher immediately • Seperate your cutlery into various compartments in the basket. Make sure silver and stainless steel are not together
Stains which remain after dishwashing	• Lipstick and tea can be difficult to remove	• Heavier programs are longer, and use higher temperatures for dirtier loads. Use a heavier program better suited for the load
Rattling sound during dishwashing	• The dishes are not properly loaded or the spray arms are not rotating	• Check that the china is loaded securely. Spin the spray arms to make sure they rotate
The machine will not start	• You have forgotten to switch on the main switch	• Check
	• The door is not closed properly	• Check
	• The home's circuit breaker has tripped	• Check
	• The plug is not plugged in	• Check
	• The water tap is off	• Check
	• Overfilling/leakage	• Contact our Customer Care Center
	• A whirring sound (the drain pump) is heard from the machine, which ceases when the power is turned off at the main power switch	**1.** Shut off the water tap **2.** Unplug the electrical plug from the outlet **3.** Contact our Customer Care Center at the number at the bottom of the page
Water remains in the machine	• Obstruction in the drain hose	• Disconnect the drain hose where it is connected to the sink's water trap. Check that no debris has become stuck. Is the cone-shaped part of the pipe cut so that the diameter is at least 16 mm?
	• Kinks in the drain hose	• Check that the hose is free from kinks or sharp bends
	• The filters are clogged	• Clean out the coarse filter, the fine filter and the filter
	• Objects in the drain pump	• Clean out the drain pump. See the chapter on cleaning
	• Dirt around edges and corners	• Clean with a dishwashing brush and low-foaming detergent
Bad odor in the machine	• Dirt along the strips and in corners	• Clean with a dish brush and low-lather detergent
Dishes do not get sufficiently dry	• The Economy dry option has been selected	• Activate the Normal drying option
	• The machine is not fully loaded	• Load the machine full
	• Rinse aid is out or set for too small a dosage	• Fill or increase the amount of rinse aid • Open the door slightly once the program has finished

Problems	Possible causes	Action
Door will not close	• The baskets are not correctly placed	• Make sure the baskets are in a horizontal position. Check that the basket water connector is aligned with the spray pipe
1 minute appears in the display	• The program is taking longer than estimated	• No action; next time the program is run the corrected time will be displayed
The touch buttons do not react when pressed	• You have pressed the touch buttons too soon after opening the door	• Wait a moment then try again
	• Dirt or grease on the touch buttons	• Wipe clean with a dry or slightly damp cloth

Performance information

Test dosage

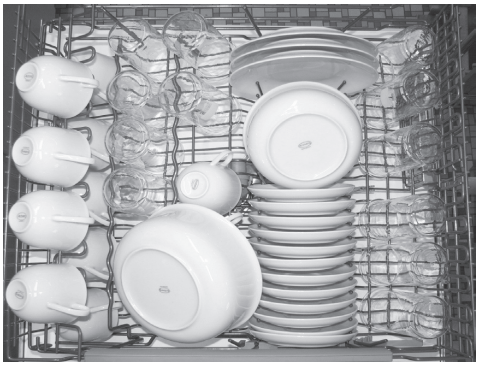
Normal wash

Main wash 25 gram Standard detergent. Rinse aid dosage 3.

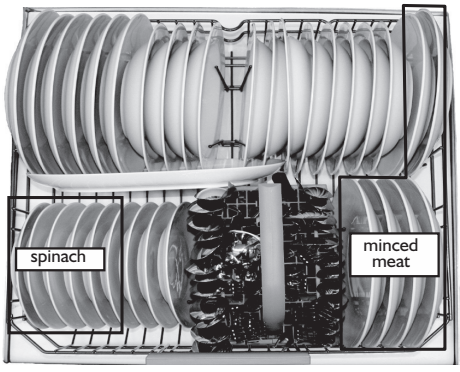
Energy labelling

Europa:	EN50242
Dishwasher program:	Normal wash, 55°C, Economy drying.
Program time:	2:50 hours:minutes
Connection	Cold water
Test method noise measurement:	IEC-704-3

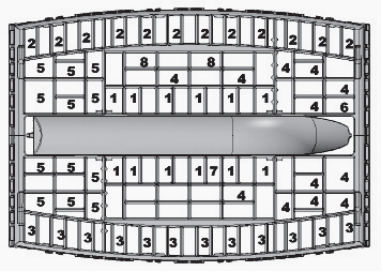
Loading of performance test



Upper basket with 12 place settings EN50242

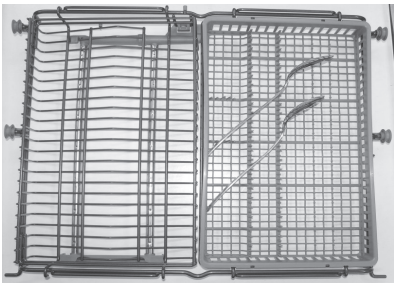


Lower basket with 12 place settings EN50242



Cutlery basket EN50242

1. Teaspoons
2. Dessertspoons
3. Soupspoons
4. Forks
5. Knives
6. Serving cutlery - fork
7. Serving cutlery – gravy ladle



Utensil basket (in the middle basket) EN50242

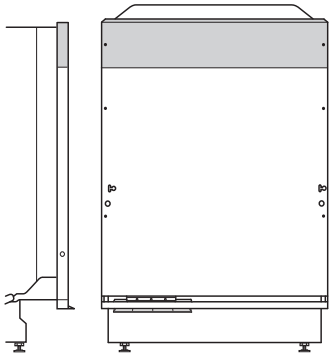
Technical data

Height	860-910 mm
Width	596 mm
Depth	560 mm
Weight	53-56 kg*
Water pressure	0.03-1.0 MPa (0.3-10 kp/cm^2)
Electrical connection	See serial tag / rating plate
Rated power	See serial tag / rating plate

* The weight can vary due to varying specifications.
** According to standard, EN 50242.

Installation instructions

FULLY INTEGRATED MODELS



SAFETY INSTRUCTIONS:

1. It is important that you closely follow the instructions provided here.
2. An incorrect or defective installation can lead to higher consumption of energy, water and dishwashing detergent, which can lead to higher costs and poorer cleaning results.
3. Plumbing and electrical installations must be carried out by qualified professionals.
4. Exercise caution during the installation! Wear protective gloves! Always work in pairs!
5. The power socket must be fitted outside the cavity for the dishwasher to enable easy access after installing the machine.
6. Always follow the applicable regulations for water, drain and electrical connection.
7. A dishwasher fitted with a wired plug must be connected to an earthed socket.

⚠ **CAUTION!**
Turn off the water supply when installing the dishwasher!

BEFORE STARTING THE INSTALLATION:

1. *Connection to water supply:*
   - There must be a shut off valve on the water supply pipe. The shut off valve should be installed in a location that is easily accessible so that the water may be shut off in the event that the dishwasher needs to be moved.
2. *Installation advice:*
   - Cable holes for wires/cables need not be larger than 40 mm.
   - Affix the light shielding film (see Fitting the dishwasher in place). Not all models.
   - Place a watertight protective tray on the floor under the dishwasher to prevent any water leakage.

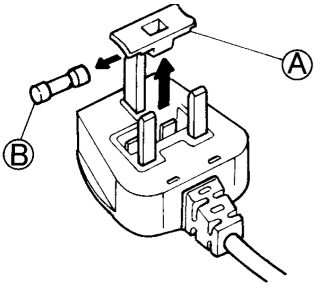
Note:
Check that the fitting and connection measurements are correct.
See Installation and connection information.

Electrical connection for Great Britain and Ireland only

Warning - this appliance must be earthed

Fuse replacement
If the mains lead of this appliance is fitted with a BS 1363A 13amp fused plug, to change a fuse in this type of plug use an A.S.T.A. approved fuse to BS 1362 type and proceed as follows:

1. Remove the fuse cover (A) and fuse (B).
2. Fit replacement 13A fuse into fuse cover.
3. Refit both into plug.



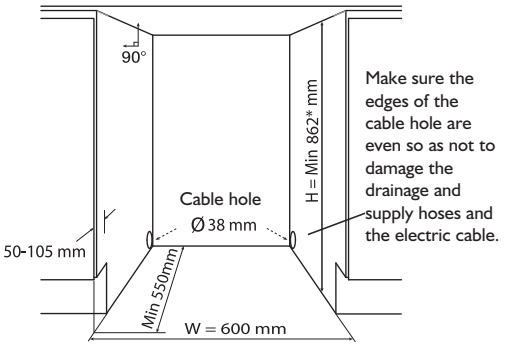
Important:
The fuse cover must be refitted when changing a fuse and if the fuse cover is lost the plug must not be used until a correct replacement is fitted. Correct replacement are identified by the colour insert or the colour embossed in words on the base of the plug. Replacement fuse covers are available from your local electrical store.

For the Republic of Ireland only
The information given in respect of Great Britain will frequently apply, but a third type of plug and socket is also used, the 2-pin, side earth type.

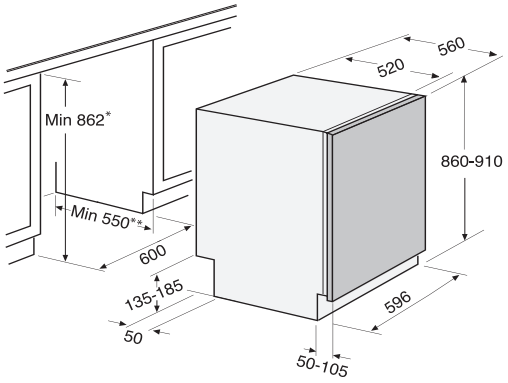
Socket outlet / plug (valid for both countries)
If the fitted plug is not suitable for your socket outlet, please contact KitchenAid Service for further instruction. Please do not attempt to change plug yourself. This procedure needs to be carried out by a qualified technician in compliance with the manufactures instructions and current standard safety regulations.

Installation and connection information

DISHWASHER CAVITY MEASUREMENTS


90°
H = Min 862* mm
Make sure the edges of the cable hole are even so as not to damage the drainage and supply hoses and the electric cable.
Cable hole
Ø 38 mm
50-105 mm
Min 550mm
W = 600 mm

DISHWASHER MEASUREMENTS



* With nut and sliding protection mounted
** Recommended measurements

WATER CONNECTION

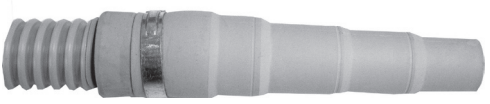
- The machine can be connected to a cold or hot water supply (maximum 85°C). However, we recommend connection to a cold water supply.
- The inlet pipe has a connector with either a 1/2" internal thread.

ELECTRICAL CONNECTION

- 220-230VAC mains voltage, minimum 13A

DRAINAGE

- The supplied cone-shaped connection pipe fits a drainage connection with an internal diameter of 13, 16, 18 and 22 mm.



- Use a hose clamp if connecting to a fixed drain (sink).

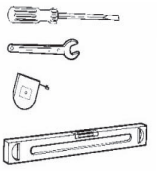
The connector is ready to cut to the desired drain connection size. Only a clamp is required.

CABLE/HOSE LENGTHS

Drainage hose: 1930 mm
Supply hose: 1670 mm
Power cable: 1770 mm

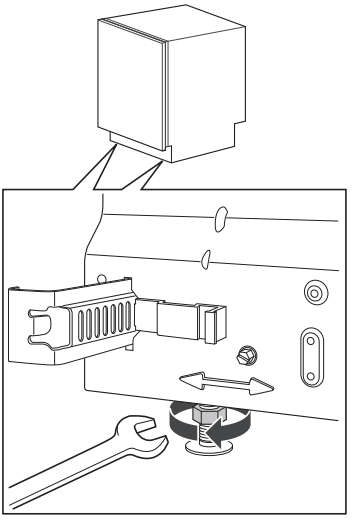
TOOLS

1) Flathead screwdriver
2) Open-ended spanner 16 mm
3) Tape measure
4) Spirit level

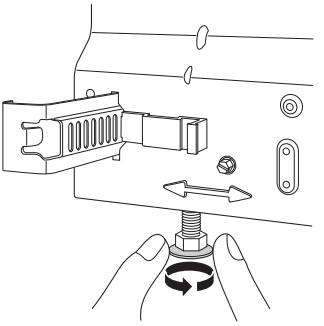


Step 1. Fitting the dishwasher in place

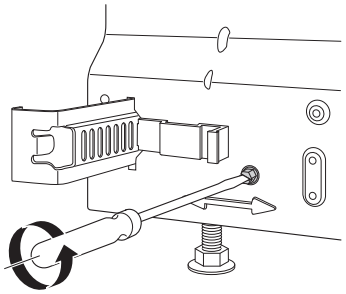
1. Loosen the locking nuts on the dishwasher's two front steel feet using a 16 mm open-ended spanner. Screw the locking nuts down as close to the floor as possible.



2. Adjust the height of the dishwasher by turning the front steel feet with your hands. Leave enough space to adjust them later.

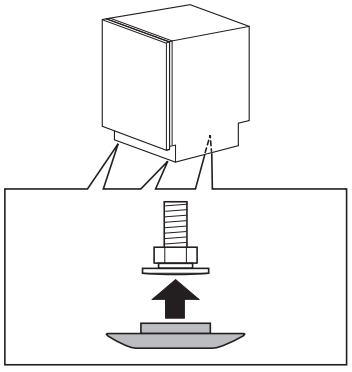


3. Screw in the back foot completely by turning the adjustment screw at the front anticlockwise. Use a flat-bladed screwdriver or an Allen screwdriver.



4. Push the plastic feet into place on all three steel feet (included in document bag).

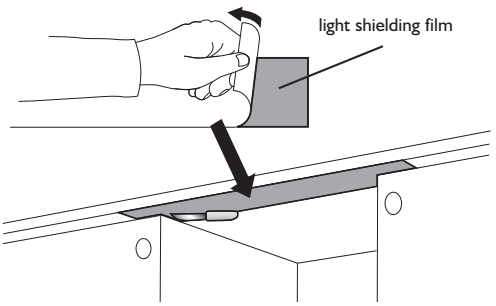
Note:
Do not attach the plastic feet if the installation space is of minimum height.



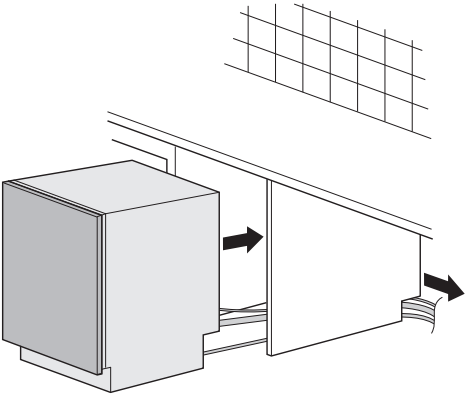
5. Affix the light shielding film (packed in the document bag) to the underside of the worktop above the touch buttons.

ⓘ The light shielding film ensures optimal button functionality.

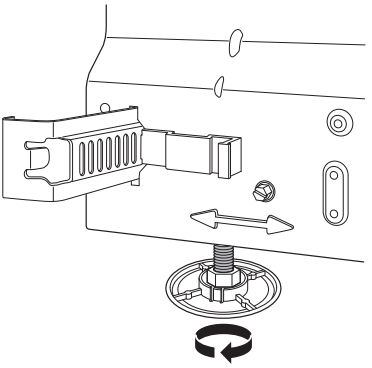
Note:
The surface on which the protective film is to be affixed must be clean and dry.



6. Push the dishwasher into the cavity. At the same time, pull the electric cable and drainage and supply hoses through the cable hole.

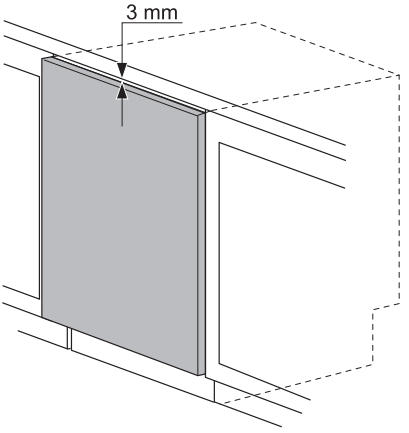


7. Lift the dishwasher a little at the front and turn the front feet to lower them.

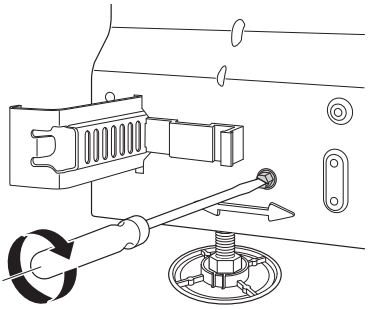


8. Check that there is a space of 3 mm between the top of the dishwasher door and the underside of the worktop.

Do not attach the locking nuts. This will be done later.

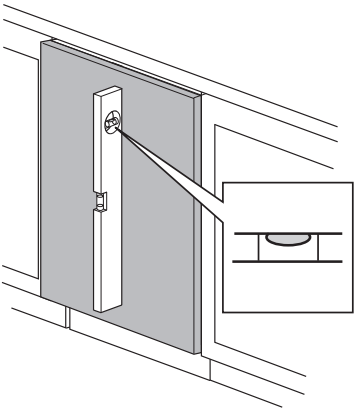


9. Adjust the back foot by turning the adjustment screw at the front clockwise.



10. Place the spirit level on the dishwasher door to check that the machine is level and adjust if necessary. The door must be fully closed!

Note:
The dishwasher must be level!
An unlevel machine can affect the amount of water taken in, the door can be difficult to close, and the baskets difficult to place securely.

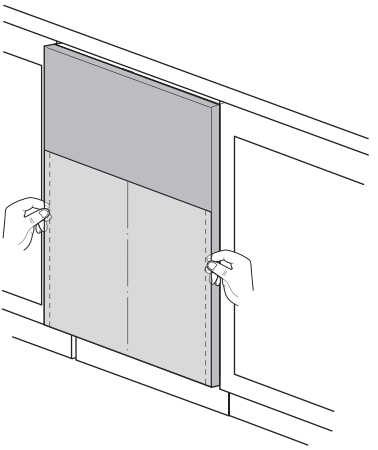


Step 2. Attaching cover or wooden door
Follow the separate instructions supplied with the dishwasher to attach the chosen cover or wooden door to the front of the machine.

Note:
Once you have fitted the cover or wooden door to the dishwasher, the door springs may need adjusting. Check that the door stays in the position in which it is placed. If the door drops down when you open it, the springs need tightening. If the door shuts on its own, the springs need loosening.
See step 3 for further instructions.

MEASUREMENTS OVERVIEW – WOODEN DOOR

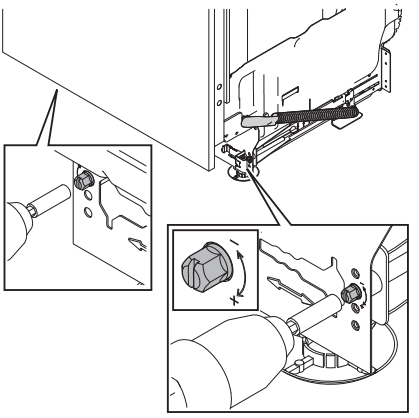
FULLY INTEGRATED MODELS
Width: 596 mm
Height: 700 mm to 800 mm



Step 3. Adjusting the door springs

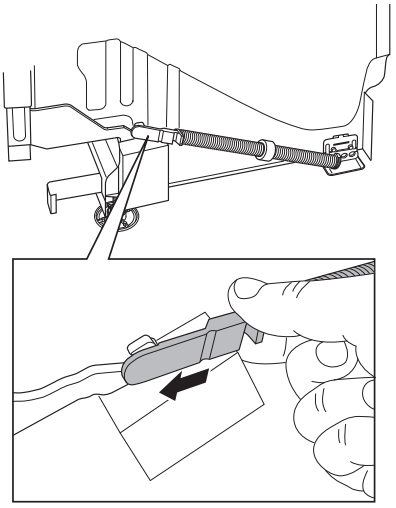
The door springs are on the sides of the dishwasher.
If necessary, pull out the dishwasher and adjust the tension of the door springs. A good idea is to try adjusting one side only first.

1. Make sure that the door is closed
2. Remove the L-shaped bracket
3. Adjust the spring setting
4. Open the door and check the spring tension; if necessary repeat the procedure

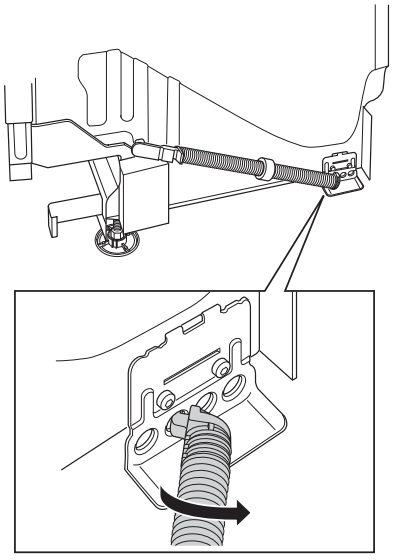


If the spring setting still does not meet your requirements:

1. hold the front end of the spring, pushing it upwards and forwards to remove it from the support at the front.



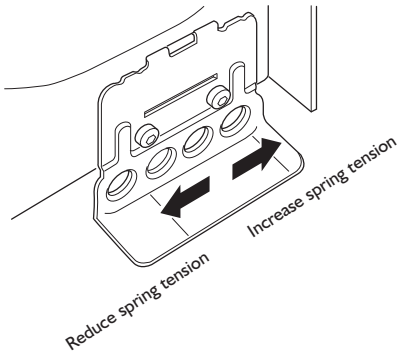
2. Loosen the spring from the rear mount by turning it outwards.

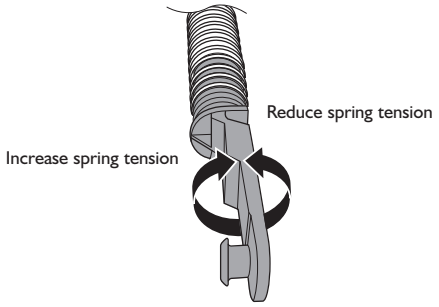


3. Adjust the spring tension using one of the following methods depending on how much adjustment is needed.

If you need to adjust the spring a lot, place the rear mount in another hole. Place the spring further forward to reduce the tension and further back to increase the tension.

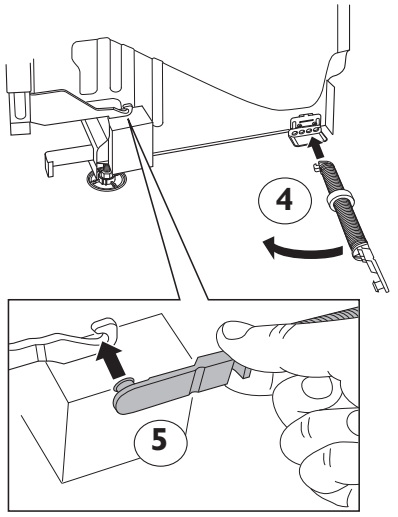
If you want to make small adjustments to the spring, hold the back end with one hand and turn the forward mount clockwise or anticlockwise one or more times. Turn the mount clockwise to increase spring tension and anticlockwise to reduce spring tension.





4. Replace the back end of the spring by holding the spring at a right angle to the side of the dishwasher and pushing the end of the spring into the hole, then turning the spring in towards the dishwasher.

5. Reattach the front end of the spring by pulling it up and forward to fasten it in the mount.



6. Open the door and check the spring tension again. If necessary, make further adjustments as above.

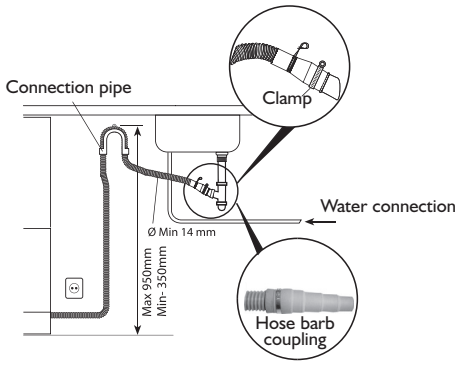
Stronger door springs are available for purchase for dishwashers fitted with a cover door. Springs are available for various weights and sizes of door. Door springs can be purchased from the retailer

who sold you the dishwasher.

Step 4. Connecting electricity, water and drain

1. Connect drain hose

The drain hose runs to an inlet plug on the ink unit's water trap.

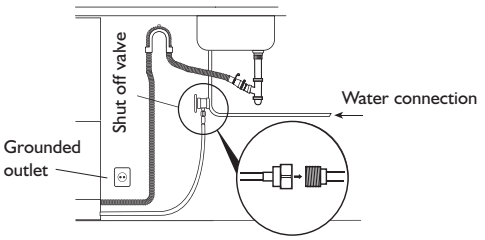


Note:
The hose must be fastened on a level with the underside of the sink unit.

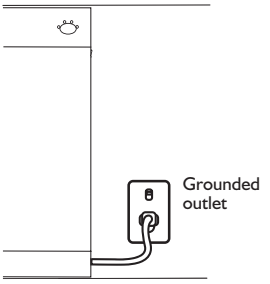
Cut the drain hose adapter to the appropriate size for connection to the undersink drain or garbage disposer. The overall length of the drainage hose must not exceed 4,5 m.
No part of the drainage hose may be more than 950 mm above the bottom of the dishwasher.
The hose must not be run directly to the floor drain or similar.
The hose must always discharge at least 350 mm above the bottom of the dishwasher.

2. Connect water supply hose

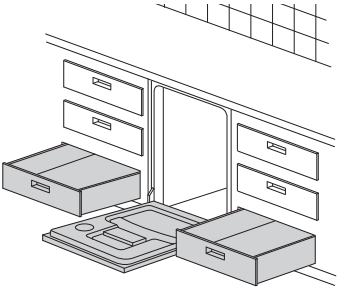
Connect using the supplied O ring and tighten the connection by hand plus a quarter turn with a wrench. Open the shutoff valve and let the pressure settle for a while. Check the connections again to make sure they are not leaking.



3. Connect the electric plug
Ensure that the power socket is within the range of the power cable. Do not use an extension cord! The dishwasher must be connected to a grounded outlet.

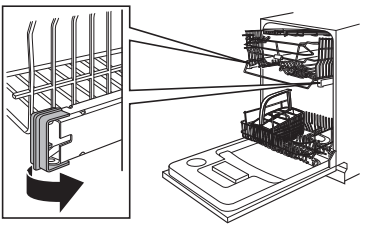


Step 5. Checking dishwasher function and fit
Test the dishwasher with the rinse program. Check that the dishwasher takes in water and drains. Also check that none of the connections leak.
Also check that adjacent drawers and cupboards can be opened when the dishwasher door is open.

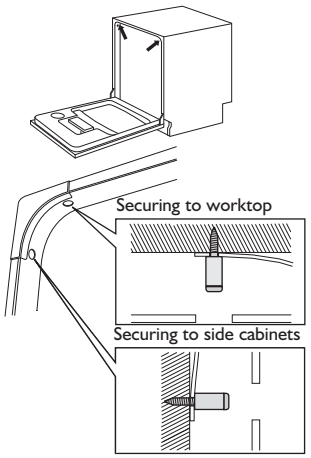


Step 6. Securing the dishwasher

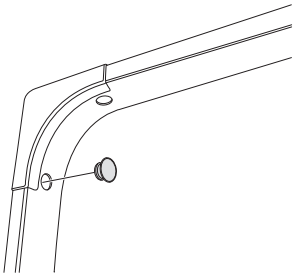
1. Pull out the upper basket, and the centre basket if present, and turn the basket stop on the runner outwards.
2. Remove the upper basket, and the centre basket if present, by pulling the basket(s) out as far as possible. This is to make more space available during installation.
3. Remove the lower basket. Otherwise it easily rolls out if you need to adjust the dishwasher during installation.



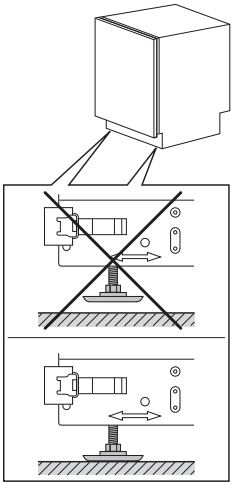
4. Connec. Screw the dishwasher to the worktop from the inside or to the cabinets on either side. If the worktop is a hard material, such as marble, screw the dishwasher to the side cabinets. Use the supplied plastic spacers when screwing the dishwasher into place!



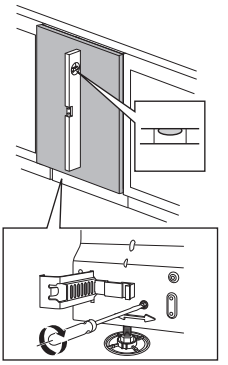
5. Cover the screw holes on the sides with the supplied plastic plugs. Push in the plugs diagonally to fit them in place.



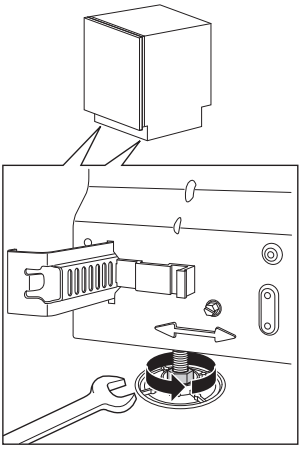
6. Check that the dishwasher's two front steel feet are solidly placed on the floor, that is, the dishwasher is not hanging in the air. Otherwise turn the front feet to lower them.



Also adjust the rear foot if necessary so that the dishwasher is level.

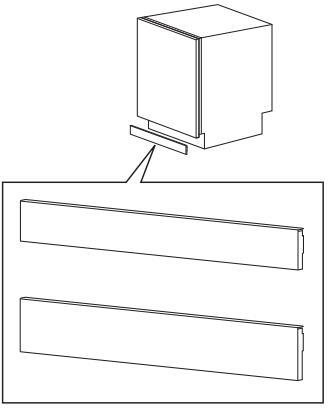


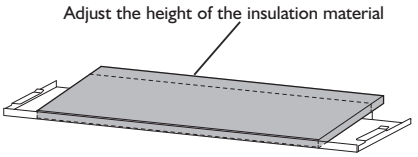
7. Tighten the lock nuts on the front feet with 6mm open-ended wrench.



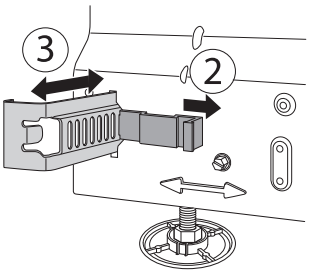
Step 7. Attaching the toe kick (if applicable)

When fitting the kickboard, choose a size best suited to the installation. Start by testing the high kickboard. If the dishwasher door hits the kickboard when opened, change to the lower kickboard. For installations with a worktop height of 900 mm, the higher kickboard is recommended. For installations with a worktop height of 850 mm, the lower kickboard is recommended.

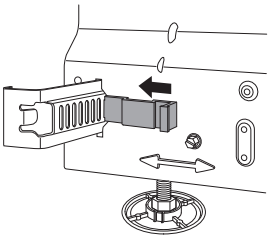




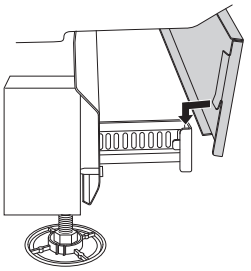
1. Attach the supplied sound insulation material to the back of the kickboard (certain models only). If you use the low kickboard, adjust the height of the insulation material by removing the thin strip.
2. Loosen the holders for the kickboard by moving the grey catches to the side.
3. Adjust the holders (pull out or push in) until they are on a level with the surrounding kitchen plinth.



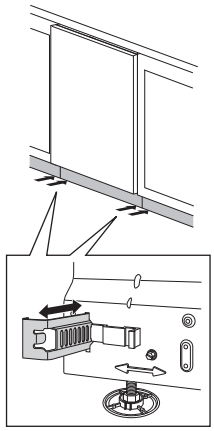
4. Lock the holders in place by pushing each catch into a suitable notch in the holder.



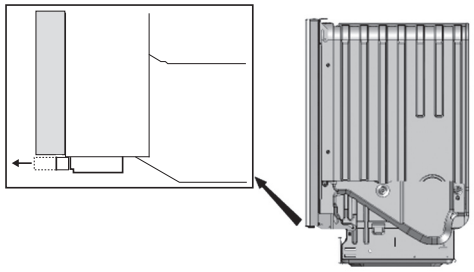
5. Hang the toe kick on the holders.



6. Check that the toe kick is in line with the surrounding kitchen toe kick, that is, at the same depth. Loosen and adjust the holders as necessary until satisfied.



Step 8. Adjustment of Status light



Service & guarantee

Service
Before calling for service, check to see whether the faults is due to something that you can rectify yourself. See Troubleshooting.

Guarantee
For guarantee details, see the guarantee card.

Quick Guide

1. **Load the baskets correctly!**
   Thanks to the Self Cleaning System you don't need to rinse the dishes, simply scrape large food particles and debris.
2. **Dispensing dishwasher detergent**
   The detergent compartment has a small compartment for pre-wash and one for main wash.
3. **Ensure that the spray arms can rotate freely**
4. **Turn on the main power switch**
5. **Close the door**
6. **Select the program and press start**
   For normally soiled dishes, use the Normal Wash program 65° C and Normal drying. To save more water and energy use Economy temperature and Economy drying.

Mini Program Guide

Programview						
Programs	**Auto**	**Daily**	**Time**	**Heavy**	**Normal**	**Combi Mix**
Options	–	60°C	Selectable 30 to 180 min	55°C	65°C	55°C
Prewashes with SCS*	–	1 prewash		2 prewashes	2 prewashes	–
Mainwash***	–	60°C	Max. 65°C	55°C	65°C	55°C
Number of rinses	last rinse 60°C	2, last rinse 65°C	Max. 65°C	3, last rinse 60°C	2, last rinse 70°C	2, last rinse 60°C

Programview					
Programs	**Upper/Lower basket**	**Delicate**	**Quick**	**Rinse & Dry**	**Rinse & Hold**
Options	55°C	50°C	60°C	–	–
Prewashes with SCS*	–	–	–	–	–
Mainwash***	55°C	50°C	60°C	–	–
Number of rinses	2, last rinse 60°C	2, last rinse 50°C	2, last rinse 60°C	1, last rinse 50°C	1 rinse

Item No.: 80 878 49 Rev. 01 We reserve the right to make changes.
Printed on environmentally-friendly paper that meets the demands of Friends of the Earth and the Swedish Society for Nature Conservation.

CE

Printed in Italy
06/11

5019 709 02012/A

GB